

Re: Animas

Megan_Dudevoir to: Forrest.Sabrina

01/05/2011 09:50 AM

From: Megan_Dudevoir@URSCorp.com

To:

Sabrina,

A CD would work best for the large PDF. I always seem to have trouble with file transfers.

I am working on the changes to the trip report and have Joe started on making the sample locations map.

Bryan will be able to sit down with Barry to review the information for the HRS quickscore.

Kent sent the ESAT water data out for validation yesterday, thank you for clarifying the data situation.

Megan J. Dudevoir

URS Operating Services, Inc.

1099 18th Street, Suite 710

Denver, CO 80202

Ph: 303-291-8264

Fx: 303-291-8296

This e-mail and any attachments contain URS Corporation confidential information that may be proprietary or privileged. If you receive this message in error or are not the intended recipient, you should not retain, distribute, disclose or use any of this information and you should destroy the e-mail and any attachments or copies.

Forrest.Sabrina@epamail.epa.gov

01/03/2011 04:38 PM

To: Megan_Dudevoir@URSCorp.com

cc: Rebecca_Laramie@URSCorp.com, Kent_Alexander@urscorp.com

Subject: Re: Animas



2009DataSummary.xls see below in CAPS. I will have to load the large .pdf to our .ftp site,
or put it on a CD for you to get it. What is your preference?

Sincerely,

Sabrina Forrest

NPL Coordinator &

Site Assessment Manager

U.S. Environmental Protection Agency

1595 Wynkoop Street, Mail Code: 8EPR-B

Denver, CO 80202-1129

Direct Ph: 303-312-6484

Toll Free: 1 800-227-8917, 312-6484

Fax: 303-312-6065

Agency Cell: 303-589-1286

E-mail: forrest.sabrina@epa.gov

NOTICE: The information contained in this e-mail is intended only for the use of the recipient(s) named above. This message and any attachments may contain confidential or privileged information. If the reader is not the intended recipient or an agent responsible for delivering it to the intended recipient, you have received this document in error and any review, dissemination, disclosure, distribution, use, or copying of the contents of this message is strictly prohibited. If you have received this communication in error, please notify me immediately by e-mail or telephone and destroy all copies of the original message and any attachments.

From: Megan_Dudevoir@URSCorp.com

To: Sabrina Forrest/R8/USEPA/US@EPA

Cc: Rebecca_Laramie@URSCorp.com

Date: 01/03/2011 11:03 AM

Subject: Animas

Hi Sabrina,

I have been working with Kent to get the validated data back, it looks like for the sediments we will get the validated packages back by the end of the week. Kent mentioned that you were planning on sending him the hard copy of ESAT water data via inter office mail, but he has not gotten that yet. I just wanted to check if that had been sent over yet, or if we need to start searching for it in a mail black hole. He said that the official hard copy is what he needs to send the water data out for validation, so water data has not been validated yet. DON GOODRICH STILL HAS DATA AND WILL TXF TO KENT TOMORROW A.M.

With us not having validated data yet, it is unlikely that we will be able to have everything validated and synthesized for Bryan to prepare a quick score before he leaves us. I talked to Rebecca and we came up with a few options for the quick score. Bryan is willing to complete if after he leaves us, but we would have to give that to you as something unofficial that would be for your informational purposes only (not for dissemination), as Bryan would no longer be a UOS employee. We could also have the option of setting Bryan up as a sub contractor, though that would require creating a contract which would probably take some time and funds. A third option would be to have someone else in UOS, probably Barry, complete the quick score when we get the validated data back. We can go with whatever option you feel would best fit your needs. CAN BRYAN SIT DOWN WITH BARRY BEFORE HE LEAVES TO GO OVER THE SAMPLING ACTIVITIES, LOCATIONS, CRITICAL LISTING ELEMENTS, ETC. SO THAT BARRY COULD PUT THE QUICKSCORE TOGETHER?

I was hoping we could touch base this week about the data synthesis you need from the ESAT data. I've been out and haven't gotten started on that yet. I'd like to go over what you need from us, as far as which sampling locations and dates you'd like analyzed and how you'd like the information displayed. I will be here all week, so feel free to give me a call or shoot me an email when you're available. HERE IS AN EXAMPLE OF WHAT BILL SCHROEDER WAS DOING FOR ME, BUT HE WAS ONLY ABLE TO GET 6

MONTHS OF SAMPLING DATA IN AND HE WAS NOT DOING ANYTHING WITH THE PARAGON ACIDITY, TDS, TSS DATA. ALSO, BILL WAS NOT USING SCRIBE, BUT DOWNLOADING OR HAND ENTERING INTO HIS OWN .XLS DATA SHEETS TO CREATE THESE CHARTS.

I WOULD LIKE TO SEE CHARTS LIKE THESE FOR ALL THE EVENTS THAT HAVE BEEN DONE SINCE MAY 2009, BUT I WANT THEM TO HAVE THE STANDARDS ADDED FOR COMPARISON.

I AM IN ALL WEEK, SO ASIDE FROM MEETINGS, WE SHOULD BE ABLE TO FIND SOME TIME TO TALK ABOUT ALL THIS.

(See attached file: 2009DataSummary.xls)[attachment "2009DataCharts 2.pdf" deleted by Sabrina Forrest/R8/USEPA/US]

Megan J. Dudevoir
URS Operating Services, Inc.
1099 18th Street, Suite 710
Denver, CO 80202
Ph: 303-291-8264
Fx: 303-291-8296

This e-mail and any attachments contain URS Corporation confidential information that may be proprietary or privileged. If you receive this message in error or are not the intended recipient, you should not retain, distribute, disclose or use any of this information and you should destroy the e-mail and any attachments or copies.

Forrest.Sabrina@epamail.e
pa.gov

To
12/27/2010 05:18 PM megan_dudevoir@urscorp.com

cc

andrew_longworth@urscorp.com

Subject

Fw: Excel spreadsheets of EPA/BLM
collected water quality data

Hi Megan, I don't know if Andrew is getting email anymore, but wanted to be sure you all had this bit of information from the ARSG and the Sunnyside Mining Corp. representative who was involved in the watershed for years.

Sincerely,

Sabrina Forrest

NPL Coordinator &

Site Assessment Manager

U.S. Environmental Protection Agency

1595 Wynkoop Street, Mail Code: 8EPR-B

Denver, CO 80202-1129

Direct Ph: 303-312-6484

Toll Free: 1 800-227-8917, 312-6484

Fax: 303-312-6065

Agency Cell: 303-589-1286

E-mail: forrest.sabrina@epa.gov

NOTICE: The information contained in this e-mail is intended only for the use of the recipient(s) named above. This message and any

attachments may contain confidential or privileged information. If the reader is not the intended recipient or an agent responsible for delivering it to the intended recipient, you have received this document in error and any review, dissemination, disclosure, distribution, use, or copying of the contents of this message is strictly prohibited. If you have received this communication in error, please notify me immediately by e-mail or telephone and destroy all copies of the original message and any attachments.

----- Forwarded by Sabrina Forrest/R8/USEPA/US on 12/27/2010 05:17 PM

From: "William Simon" <wsimon@frontier.net>
To: Sabrina Forrest/R8/USEPA/US@EPA, <pbutler@wildblue.net>, "Fearn Engineering" <fearneng@rmi.net>
Date: 12/16/2010 03:57 PM
Subject: RE: Excel spreadsheets of EPA/BLM collected water quality data

Sabrina, here is what Larry Perino had to say concerning 1999 and 2002, 2003 treatment of CC.

Bill-

I haven't studied the attached data but my guess is everyone is somewhat right. Not sure of exact dates but CC was treated into 2003 except for a short period in 1999. I am guessing that was June-Oct or Nov. Whether that contributed to the spike you are talking about, I don't know. The CC flows treated did vary from all of CC in winter to just a portion in summer. The flows treated ranged from ~450 gpm to ~ 1600 gpm. This included both CC and American Tunnel so if American Tunnel was < 90 gpm then CC was the rest.

Larry

So that 1999 spike may be related to a not treating during that Nov.
period.

You might want to forward this to Andrew as well.

Bill

-----Original Message-----

From: Forrest.Sabrina@epamail.epa.gov
[mailto:Forrest.Sabrina@epamail.epa.gov]
Sent: Wednesday, December 15, 2010 1:09 PM
To: wsimon@frontier.net; pbutler@wildblue.net; Fearn Engineering
Subject: Fw: Excel spreadsheets of EPA/BLM collected water quality data

All, Here are the START clarifications. Please see if the attached
portion of the Church document helps to see where Andrew Longworth was
coming from.

Sincerely,

Sabrina Forrest
NPL Coordinator &
Site Assessment Manager
U.S. Environmental Protection Agency
1595 Wynkoop Street, Mail Code: 8EPR-B
Denver, CO 80202-1129
Direct Ph: 303-312-6484
Toll Free: 1 800-227-8917, 312-6484
Fax: 303-312-6065
Agency Cell: 303-589-1286

E-mail: forrest.sabrina@epa.gov

NOTICE: The information contained in this e-mail is intended only for
the use of the recipient(s) named above. This message and any
attachments may contain confidential or privileged information. If the
reader is not the intended recipient or an agent responsible for
delivering it to the intended recipient, you have received this document
in error and any review, dissemination, disclosure, distribution, use,

or copying of the contents of this message is strictly prohibited. If you have received this communication in error, please notify me immediately by e-mail or telephone and destroy all copies of the original message and any attachments.

----- Forwarded by Sabrina Forrest/R8/USEPA/US on 12/15/2010 01:07 PM

From: Megan_Dudevoir@URSCorp.com
To: Sabrina Forrest/R8/USEPA/US@EPA
Cc: Andrew_Longworth@URSCorp.com
Date: 12/09/2010 01:56 PM
Subject: Re: Fw: Excel spreadsheets of EPA/BLM collected
water
quality data

Sabrina,

To answer Bill's questions:

1. I am not sure about the broken link, I will talk with Andrew about that on Monday.
2. The data we used was from November of each year. We went with data from one month to make trends easier to see by eliminating seasonal variation. Also, this would eliminate any variation caused by times of year that Sunnyside Gold Corp was treating Cement Creek.
3. In the Church report on page 74 there is a section which describes the history of reclamation activities in Cement Creek. This indicates that between fall of 1996 and 1999, during non-runoff periods, Cement Creek was diverted and treated to mitigate short term impact of remedial activities. The end of this treatment in 1999 would explain the jump. I have attached a scan of page 74.

Let me know if you need anything else.

Also, the sampling trip report is being reviewed and will get to you early next week.

Megan J. Dudevoir
URS Operating Services, Inc.
1099 18th Street, Suite 710
Denver, CO 80202
Ph: 303-291-8264
Fx: 303-291-8296

This e-mail and any attachments contain URS Corporation confidential information that may be proprietary or privileged. If you receive this message in error or are not the intended recipient, you should not retain, distribute, disclose or use any of this information and you should destroy the e-mail and any attachments or copies.

Forrest.Sabrina@epa
mail.epa.gov

To
12/09/2010 12:30 PM andrew_longworth@urscorp.com,
jeremiah_ervin@urscorp.com,
megan_dudevoir@urscorp.com
cc

Subject
Fw: Excel spreadsheets of EPA/BLM
collected water quality data

All (I realize Andrew may not be available any longer), Can you help me
get answers for Bill Simon's questions?

Sincerely,

Sabrina Forrest

NPL Coordinator &

Site Assessment Manager

U.S. Environmental Protection Agency

1595 Wynkoop Street, Mail Code: 8EPR-B

Denver, CO 80202-1129

Direct Ph: 303-312-6484

Toll Free: 1 800-227-8917, 312-6484

Fax: 303-312-6065

Agency Cell: 303-589-1286

E-mail: forrest.sabrina@epa.gov

NOTICE: The information contained in this e-mail is intended only for
the use of the recipient(s) named above. This message and any
attachments may contain confidential or privileged information. If the
reader is not the intended recipient or an agent responsible for
delivering it to the intended recipient, you have received this document
in error and any review, dissemination, disclosure, distribution, use,
or copying of the contents of this message is strictly prohibited. If
you have received this communication in error, please notify me
immediately by e-mail or telephone and destroy all copies of the
original message and any attachments.

----- Forwarded by Sabrina Forrest/R8/USEPA/US on 12/09/2010 12:29 PM

From: "William Simon" <wsimon@frontier.net>
To: Sabrina Forrest/R8/USEPA/US@EPA, "'Peter Butler'"
<pbutler@wildblue.net>
Cc: "'Fearn Engineering'" <fearneng@rmi.net>,
<andrew_longworth@urscorp.com>, Steven Way/R8/USEPA/US@EPA
Date: 12/09/2010 09:53 AM
Subject: RE: Excel spreadsheets of EPA/BLM collected water
quality data

I don't understand your "broken link" mentioned below?

I also don't see that Andrew or Church explain what happened in 1999 to
cause that significant jump in Cd, Cu, and Zn. Since the data and dates
are
not included I can't be sure but it might have something to do with the
time
of year the samples were taken -- SGC treated all of CC at some times of
year (low flow) and none of CC at other times of year. I need more
information-- what months or is this a plot of yearly averages?

Bill

-----Original Message-----

From: Forrest.Sabrina@epamail.epa.gov
[mailto:Forrest.Sabrina@epamail.epa.gov]
Sent: Tuesday, December 07, 2010 8:24 AM
To: Peter Butler; 'William Simon'
Cc: 'Fearn Engineering'; andrew_longworth@urscorp.com;
Way.Steven@epamail.epa.gov
Subject: RE: Excel spreadsheets of EPA/BLM collected water quality data

Peter and Bill, I just want to follow up to see if the ARSG web site
does in fact have a broken link or something for the 2004-2009 data the
START staff were looking for when EPA was outlining how to possibly
respond to Todd Hennis' letter. Also, Andrew Longworth noted the
following with regard to the 1999 spike:

"I was digging through some data/reports here and found something to explain the 1999 jump in concentrations. It turns out that between 1996 and 1999 water from cement creek above American Tunnel was treated then between 2002 and 2003 water from Gold King was treated. The charts I provided were based on treatment stopping in 2003 and did not take into account the switch between the two. I found this information in the Stanley Church 2007 "The effects of acidic mine drainage from historical mines in the Animas River watershed, San Juan County, Colorado" report."

Here are the draft charts that Andrew put together for us. Note that we had him average the chronic water quality standards to simplify the visuals, since there is alot going on.

(See attached file: CadmiumCC48A72A68Linear.pdf)(See attached file: CopperCC48A72A68Linear.pdf)(See attached file: ZincCC48A72Linear.pdf)

Lastly, is the ARSG responding to Todd's follow up letter? I don't believe EPA will do so; we will respond to relevant issues as needed in future meetings with the County and community. Regarding a follow up meeting with them, I think it would be beneficial to wait until we have some idea of what the November data tell us about overall listability. Therefore, I hope that could happen in February, but it may take until March.

Thanks!

Sincerely,

Sabrina Forrest

NPL Coordinator &

Site Assessment Manager

U.S. Environmental Protection Agency

1595 Wynkoop Street, Mail Code: 8EPR-B

Denver, CO 80202-1129

Direct Ph: 303-312-6484

Toll Free: 1 800-227-8917, 312-6484

Fax: 303-312-6065

Agency Cell: 303-589-1286

E-mail: forrest.sabrina@epa.gov

NOTICE: The information contained in this e-mail is intended only for the use of the recipient(s) named above. This message and any attachments may contain confidential or privileged information. If the reader is not the intended recipient or an agent responsible for delivering it to the intended recipient, you have received this document in error and any review, dissemination, disclosure, distribution, use, or copying of the contents of this message is strictly prohibited. If you have received this communication in error, please notify me immediately by e-mail or telephone and destroy all copies of the original message and any attachments.

From: "Peter Butler" <pbutler@wildblue.net>
To: Sabrina Forrest/R8/USEPA/US@EPA, "'William Simon'"
<wsimon@frontier.net>, "'Fearn Engineering'"
<fearneng@rmi.net>
Date: 11/19/2010 09:55 AM
Subject: RE: Excel spreadsheets of EPA/BLM collected
water quality
data

Thanks! Sabrina.

From: Forrest.Sabrina@epamail.epa.gov [
mailto:Forrest.Sabrina@epamail.epa.gov]
Sent: Thursday, November 18, 2010 4:29 PM
To: William Simon; Peter Butler; Fearn Engineering
Subject: Excel spreadsheets of EPA/BLM collected water quality data
Importance: High

All, Sorry for the delays in getting these files to you. These are all the data that have been loaded into the Scribe database so far.

I have asked for the START contractor to help get some "pictures" of the data we have so far with regard to looking at Cement Creek concentrations and then have A72 looked at compared to standards, but I imagine you may be already working on this to show the commissioners the relative impacts from Cement on the Animas.

Do you have the flow data that Bill Schroeder may have passed along? If not, it is in the Summary file.

I have asked our TMDL staff to help get flow duration curves generated too; they are supposed to help us understand where the loads are coming from at high, moderate, and low flow. I have much to learn..

Sabrina

(See attached file: church p 74.pdf)